



OR

- 6 a. With an example explain the, different addressing modes. (12 Marks)  
b. Write a brief note on the following:  
i) Assembler directive  
ii) Basic input / output operations. (08 Marks)

Module-4

- 7 a. What is an interrupt? Briefly explain. (05 Marks)  
b. Write a brief note on the following:  
i) Exceptions  
ii) Direct memory access  
iii) Bus arbitration. (15 Marks)

OR

- 8 Write a brief note on the following:  
a. Accessing I/O devices  
b. Interrupt Nesting  
c. Synchronous bus  
d. Asynchronous bus. (20 Marks)

Module-5

- 9 a. With a neat diagram, explain the internal organization of memory chips. (07 Marks)  
b. With a block diagram, explain CMOS memory cell. (07 Marks)  
c. With a neat diagram, explain dynamic RAM. (06 Marks)

OR

- 10 Write a brief note on the following :  
a. Read only memory  
b. Speed, size and cost of memories  
c. Cache memories  
d. Virtual memories. (20 Marks)

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